Form Approved 1/14/99 OMB Number 2040-0086

FACILITY NAME AND PERMIT NUMBER: Peirce Island WWTP - NPDES Permit No. NH0100234

BASIC APPLICATION INFORMATION PART A. BASIC APPLICATION INFORMATION FOR ALL APPLICANTS: All treatment works must complete questions A.1 through A.8 of this Basic Application Information packet. A.1. Facility Information. Peirce Island Wastewater Treatment Plant Facility name Department of Public Works Mailing Address 680 Peverly Hill Rd, Portsmouth, NH 03801 Peter Rice P.E. Contact person City Engineer Title (603) 766-1416 Telephone number Peirce Island Facility Address Portsmouth, NH (not P.O. Box) A.2. Applicant Information. If the applicant is different from the above, provide the following: Applicant name Mailing Address Contact person Telephone number Is the applicant the owner or operator (or both) of the treatment works? X operator owner Indicate whether correspondence regarding this permit should be directed to the facility or the applicant. facility applicant A.3. Existing Environmental Permits. Provide the permit number of any existing environmental permits that have been issued to the treatment works (include state-issued permits). NH0100234 **NPDES** PSD UIC **RCRA** A.4. Collection System Information. Provide information on municipalities and areas served by the facility. Provide the name and population of each entity and, if known, provide information on the type of collection system (combined vs. separate) and its ownership (municipal, private, etc.). Population Served Type of Collection System Ownership Name 21.233* Combined Portsmouth Municipal Separate 968* Municipal New Castle Rve Private Seperate Greenland (Commercial) * 2010 Census population. Aprox 210 Portsmouth 22,271

residents outside sewered population.

Total population served

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	lian Country.									
a.	Is the treatment works located in Indian Cou	intry?								
	YesX No									
b.	Does the treatment works discharge to a rec through) Indian Country?	ceiving water that is either in	Indian Country or that is ups	tream from (and eventu	ally flows					
	YesX No									
da	ow. Indicate the design flow rate of the treatmily flow rate and maximum daily flow rate for earth of "this year" occurring no more than three	ach of the last three years.	Each years data must be ba	s built to handle). Also p sed on a 12-month time	period with the					
a.	Design flow rate4.8 mgd	Oct 2008 - Sep 2009	Oct 2009 - Sep 2010	Oct 2010 - Sep 201	1					
		Two Years Ago	Last Year	This Year						
b.	Annual average daily flow rate	6.17	5.61	5.31	mgd					
C.		18.963	19.966	19.349	mgd					
	Calculated by taking adding each monthly average eff	luent flow for the 12 month period	divided by 12 months.	that apply Alas satis	to the percent					
7. Co	ollection System. Indicate the type(s) of collection (by miles) of each.	lection system(s) used by th	ne treatment plant. Check all	ınaı appıy. Also estima	te the bercent					
CO				75	%					
	X Separate sanitary sewer			25						
_	X Combined storm and sanitary sewer									
8. Di	scharges and Other Disposal Methods.									
		at to waters of the LLC 2		X Yes	No					
a.	Does the treatment works discharge emident to waters of the 0.5.									
	If yes, list how many of each of the following types of discharge points the treatment works uses:									
	i. Discharges of treated effluent									
	ii. Discharges of untreated or partially trea		OD) Door St (012)	~	3					
	iii. Combined sewer overflow points Sout		0D), Deer St (013)	10 						
	iv. Constructed emergency overflows (price	or to the headworks)		(C						
	v. Other									
b	. Does the treatment works discharge efflue that do not have outlets for discharge to wa	nt to basins, ponds, or other aters of the U.S.?	r surface impoundments	Yes	X_ No					
	If yes, provide the following for each surfac									
	Location:									
	Annual average daily volume discharged to	surface impoundment(s)			mgd					
		intermitten	nt?							
	- 1000 100 400 100 100 100 100 100 100 10				v					
С			į	Yes	X No					
	If yes, provide the following for each land application site:									
	Location:									
	Number of acres:		41-0 44							
	Annual average daily volume applied to site	e:	Mgd							
	Is land application continu	uous or inte	ermittent?							

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WASTEWATER DISCHARGES:

If you answered "yes" to question A.8.a, complete questions A.9 through A.12 once for each outfall (including bypass points) through which effluent is discharged. Do not include information on combined sewer overflows in this section. If you answered "no" to question A.8.a, go to Part B, "Additional Application Information for Applicants with a Design Flow Greater than or Equal to 0.1 mgd."

	escription of Outfall.						
a.	Outfall number	001	_				
b.	Location	Portsmouth		03801			
υ.	2000011	(City or town, if applicable) Rockingham	(Zip Code) New Hampshire				
		(County) 43 04.24' N		(State) 70 44.34'W			
		(Latitude)		(Longitude)			
C.	Distance from shore	(if applicable)	378	ft.			
d.	Depth below surface	(if applicable)	76.24	ft. Below mean lower low tide			
e.	Average daily flow rat	e _	5.31	mgd Oct 2010 to Sep. 2011			
f.	Does this outfall have discharge?	either an intermittent or a periodic	Yes	X No (go to A.9.g.)			
	If yes, provide the foll	owing information:					
	Number of times per	year discharge occurs:					
	Average duration of e	each discharge:					
	Average flow per disc	charge:		mgd			
	Months in which disc	harge occurs:					
g.	Months in which disc	and the American control of the Cont	Yes	X No			
		th a diffuser?		X No			
	Is outfall equipped wi	th a diffuser? g Waters. Piscatagua		X No			
.10. D	Is outfall equipped winescription of Receiving Name of receiving was	ng Waters. Piscataqua					
.10. D	Is outfall equipped with the secription of Receiving was name of receiving was name of watershed (ng Waters. Piscataqua	River — Coastal/Pi				
. 10. D	Is outfall equipped with the secription of Receiving was a Name of watershed (United States Soil Co.	g Waters. ater Piscataqua if known) onservation Service 14-digit watershee	Coastal/Pis				
.10. D	Is outfall equipped with the secription of Receiving was not a secretary with the secretary was a secretary was a secretary with the secretary was a secretary was a secretary with the secretary was a secretary with the secretary was a secretary with the secretary was a secretary with the secretary was a sec	th a diffuser? g Waters. ater Piscataqua if known)	Coastal/Pisted code (if known):	iscataqua-Salmon Falls			
a. b.	Is outfall equipped with the secription of Receiving was name of receiving was name of watershed (United States Soil Control Name of State Mana United States Geology	th a diffuser? g Waters. ater Piscataqua if known) onservation Service 14-digit watershed gement/River Basin (if known): gical Survey 8-digit hydrologic catalog ceiving stream (if applicable):	Coastal/Pisted code (if known):	iscataqua iscataqua-Salmon Falls o: 01060003			

FACILITY NAME AND PERMIT NUMBER: Peirce Island WWTP - NPDES Permit No. NH0100234

Form Approved 1/14/99 OMB Number 2040-0086

A.11. De	escription of Tre	atment.	001					1				
a.	What levels of	reatment ar	e provide	ed? Che	eck all that a	pply	<i>ı</i> .					
	Pr	imary		0 <u></u>	Sec	cond	lary					
	Ad	Ivanced		x	Oth	ner.	Describe:	Chemica	lly enhan	ced prima	ry tr	eatment
b.	Indicate the foll	owing remo	val rates	(as app	olicable):							
	Design BOD ₅ r	emoval <u>or</u> D	esign CE	BOD, re	emoval				30	%		
	Design SS rem			5					30	%		
	Design P remo									%		
	Design N remo									%		
	Other									%		
c.	What type of di	sinfection is	used for	- r the eff		his d	outfall? If disinf	ection varies by	season, plea			
	If disinfection is	by chlorina	ition, is d	echlorir	nation used	for t	his outfall?	_	x Ye	es _		No
d.	Does the treatn	nent plant ha	ave post	aeratior	1?			_	Ye	es _	x	No
40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not address minimum, effluent testing data must be based on at least three samples and must be no more than four art Outfall number: Outfall number:							n four and or	ne-hal	f years apart.			
				V	/alue		Units	Value	1	Units		Number of Samples
pH (Mini	mum)			6	5.1		s.u.					
pH (Max	imum)			7	.6		s.u.					
Flow Rat				19.349		MGD	5.31		MGD		274	
	ature (Winter)							10.5		С	90	
Temperature (Summer)						19.9		С	92			
POLEGIANT		MA	IAXIMUM DAILY DISCHARGE		lue	AVERAG	E DAILY DISCHARGE Units Number of		ANALYTICAL METHOD		ML / MDL	
		11740						Samples				
CONVEN	TIONAL AND NO	ONCONVEN	ITIONAL	COM	POUNDS.							
BIOCHEM	IICAL OXYGEN	BOD-5	209	9.8	mg/L	4	131.0	mg/L	72	20th Ed. Star methods, 5210	1000000000	<5 mg/L
DEMAND	(Report one)	CBOD-5				_				0011 71 01	1	
FECAL CO	OLIFORM		1600)	#/100 m	1	10.6	#/100 m1	271	20th Ed. Sta Methods 9221	В	2/100ml
TOTAL SI	JSPENDED SOLI	DS (TSS)	10)2	mg/L		71.2	mg/L	68	20th Ed. Star Methods 2540		<2 mg/L
REFE	ER TO THE	APPLI	CATIO	ON C	VERVI	EV				OTHER I	PAR	RTS OF FORM

treatment works has several different implementation schedules or is planning several improvements, submit separate responses to question B.5 for

List the outfall number (assigned in question A.9) for each outfall that is covered by this implementation schedule.

Indicate whether the planned improvements or implementation schedule are required by local, State, or Federal agencies.

each. (If none, go to guestion B.6.)

FACILITY NAME AND PERMIT NUMBER: Form Approved 1/14/99 Peirce Island WWTP - NPDES Permit No. NH0100234 OMB Number 2040-0086 If the answer to B.5.b is "Yes," briefly describe, including new maximum daily inflow rate (if applicable). See Consent Decree 09-cv-283-PB. Please see AECOMM memo "Technology Evaluation Final Technical Memorandum WWMP Piloting Phase 1 Engineering Evaluation. Based on the May 23 AECOMM Flow Projection Report, the maximum daily inflow rate is 7.6 MGD. Provide dates imposed by any compliance schedule or any actual dates of completion for the implementation steps listed below, as applicable. For improvements planned independently of local, State, or Federal agencies, indicate planned or actual completion dates, as applicable. Indicate dates as accurately as possible. Actual Completion MM / DD / YYYY MM / DD / YYYY Implementation Stage - Begin construction __/__/___ __/__/___ _______ - End construction - Begin discharge _______ __/_/__ - Attain operational level Have appropriate permits/clearances concerning other Federal/State requirements been obtained? X No Describe briefly: B.6. EFFLUENT TESTING DATA (GREATER THAN 0.1 MGD ONLY). Applicants that discharge to waters of the US must provide effluent testing data for the following parameters. Provide the indicated effluent testing required by the permitting authority for each outfall through which effluent is discharged. Do not include information on combined sewer overflows in this section. All information reported must be based on data collected through analysis conducted using 40 CFR Part 136 methods. In addition, this data must comply with QA/QC requirements of 40 CFR Part 136 and other appropriate QA/QC requirements for standard methods for analytes not addressed by 40 CFR Part 136. At a minimum, effluent testing data must be based on at least three pollutant scans and must be no more than four and one-half years old. 001 Outfall 001 has TRC monitoring requirements only (samples taken 1 or 2x per day). Outfall Number: POLLUTANT MAXIMUM DAILY AVERAGE DAILY DISCHARGE DISCHARGE Conc. Units Conc. Units Number of ANALYTICAL ML / MDL Samples **METHOD** CONVENTIONAL AND NONCONVENTIONAL COMPOUNDS. Sample period from Jan 2011 to Sept 2011 AMMONIA (as N) CHLORINE (TOTAL RESIDUAL, TRC) 0.25 mg/L .01 mg/L 546 4500-CLG 0.75 mg/LDISSOLVED OXYGEN TOTAL KIELDAHL NITROGEN (TKN) NITRATE PLUS NITRITE NITROGEN OIL and GREASE PHOSPHORUS (Total) TOTAL DISSOLVED SOLIDS (TDS) OTHER

END OF PART B.
REFER TO THE APPLICATION OVERVIEW TO DETERMINE WHICH OTHER PARTS OF FORM

2A YOU MUST COMPLETE

FACILITY NAME AND PERMIT NUMBER:

Peirce Island WWTP - NPDES Permit No. NH0100234

Form Approved 1/14/99 OMB Number 2040-0086

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PART C. CERTIFICATION

All applicants must complete the Certification Section. Refer to instructions to determine who is an officer for the purposes of this certification. All applicants must complete all applicable sections of Form 2A, as explained in the Application Overview. Indicate below which parts of Form 2A you have completed and are submitting. By signing this certification statement, applicants confirm that they have reviewed Form 2A and have completed all sections that apply to the facility for which this application is submitted.

Indicate which	parts of Form 2A	vou have com	pleted and	are submitting:

X Basi	c Application Information packet	Supple	emental Application Information packet:
		X	Part D (Expanded Effluent Testing Data)
		X	Part E (Toxicity Testing: Biomonitoring Data)
		-	Part F (Industrial User Discharges and RCRA/CERCLA Wastes
		X	Part G (Combined Sewer Systems)

ALL APPLICANTS MUST COMPLETE THE FOLLOWING CERTIFICATION.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Name and official title	David S. Allen, Deputy Director, Department of Public Works
Signature	/ Ll & Ch
Telephone number	(603) 766-1421
Date signed	12/22/4

Upon request of the permitting authority, you must submit any other information necessary to assess wastewater treatment practices at the treatment works or identify appropriate permitting requirements.

SEND COMPLETED FORMS TO: